1. PRODUCT AND COMPANY IDENTIFICATION

Company

Arkema Inc.
900 First Avenue
King of Prussia, Pennsylvania 19406

Functional Additives

Customer Service Telephone Number: (800) 331-7654
(Monday through Friday, 8:00 AM to 5:00 PM EST)

Emergency Information

Transportation: CHEMTREC: (800) 424-9300
(24 hrs., 7 days a week)
Medical: Rocky Mountain Poison Center: (866) 767-5089
(24 hrs., 7 days a week)

Product Information

Product name: LUPEROX® 7M75
Synonyms: Peroxyester
Molecular formula: C6 H12 O3
Chemical family: Organic peroxide - peroxyesters
Product use: initiator/catalyst

2. HAZARDS IDENTIFICATION

Emergency Overview
Color: yellow
Physical state: liquid
Odor: pungent

***Classification of the substance or mixture:**
Flammable liquid., Category 3, H226
Organic peroxides, Type B, H241
Eye irritation, Category 2A, H319
Skin sensitisation, Category 1, H317
Aspiration hazard, Category 1, H304
Chronic aquatic toxicity, Category 2, H411

*For the full text of the H-Statements mentioned in this Section, see Section 16.

GHS-Labelling

Hazard pictograms:

Signal word: **Danger**

Hazard statements:

H226 : Flammable liquid and vapour.
H241 : Heating may cause a fire or explosion.
H304 : May be fatal if swallowed and enters airways.
H317 : May cause an allergic skin reaction.
H319 : Causes serious eye irritation.
H411 : Toxic to aquatic life with long lasting effects.

Supplemental Hazard Statements:

Organic peroxide. Hazardous decomposition may occur.

Precautionary statements:

Prevention:
P210 : Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P220 : Keep/Store away from clothing/ combustible materials.
P233 : Keep container tightly closed.
P234 : Keep only in original container.
P240 : Ground/bond container and receiving equipment.
P241 : Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 : Use only non-sparking tools.
P243 : Take precautionary measures against static discharge.
P261 : Avoid breathing gas/mist/vapours/spray.
P264 : Wash skin thoroughly after handling.
P272 : Contaminated work clothing should not be allowed out of the workplace.
P273 : Avoid release to the environment.
P280 : Wear protective gloves/ eye protection/ face protection.

Response:
P301 + P310 : IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P303 + P361 + P353 : IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 : Do NOT induce vomiting.
P333 + P313 : If skin irritation or rash occurs: Get medical advice/ attention.
P337 + P313 : If eye irritation persists: Get medical advice/ attention.
P363 : Wash contaminated clothing before reuse.
P370 + P378 : In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P391 : Collect spillage.

Storage:
P405 : Store locked up.
P410 : Protect from sunlight.
P411 + P235 : Maximum storage temperature is specified on label and in section 7 of SDS. Keep cool.
P420 : Store away from other materials.

Disposal:
P501 : Dispose of contents/ container to an approved waste disposal plant.

Supplemental information:

Potential Health Effects:
Prolonged or repeated skin contact may cause defatting resulting in drying, redness and rash. Symptoms of aspiration may include increased breathing and heart rate, coughing and related signs of respiratory distress. May also cause: chest discomfort, accumulation of fluid in the lungs, (severity of effects depends on extent of exposure).

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Wt/Wt	GHS Classification**
Ethaneperoxoic acid, 1,1-dimethylethyl ester	107-71-1	>= 74 - <= 76 %	H241, H319, H317, H411
Naphtha (petroleum), hydrotreated heavy	64742-48-9	< 25 %	H315, H411, H336, H304, H224
Naphtha (petroleum), heavy alkylate	64741-65-7	< 25 %	H226, H304, H413
Hydroperoxide, 1,1-dimethylethyl	75-91-2	<= 0.2 %	H242, H226, H302, H311, H330, H314, H318, H317, H341, H411

**For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Inhalation:
If inhaled, remove victim to fresh air.

Skin:
In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eyes:
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Ingestion:
If swallowed, DO NOT induce vomiting. Call a physician or Poison Control Center immediately. If vomiting occurs, have person lean forward. Never give anything by mouth to an unconscious person.

5. FIREFIGHTING MEASURES

Extinguishing media (suitable):

Water spray, Foam, Dry chemical

Extinguishing media (unsuitable):
Water may be ineffective., Do not use a solid water stream as it may scatter and spread fire.

Protective equipment:
Fire fighters and others who may be exposed to products of combustion should wear full fire fighting turn out gear (full Bunker Gear) and self-contained breathing apparatus (pressure demand / NIOSH approved or equivalent).

Further firefighting advice:
Fight fire with large amounts of water from a safe distance.
Cool closed containers exposed to fire with water spray.
Closed containers of this material may explode when subjected to heat from surrounding fire.
After a fire, wait until the material has cooled to room temperature before initiating clean-up activities.
Do not allow run-off from fire fighting to enter drains or water courses.
Fire fighting equipment should be thoroughly decontaminated after use.

Fire and explosion hazards:
Contact with materials to avoid or exposure to temperatures exceeding the SADT may result in a self-accelerating decomposition reaction with release of flammable vapors which may autoignite.

When burned, the following hazardous products of combustion can occur:
Carbon oxides
Hazardous organic compounds

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, Emergency procedures, Methods and materials for containment/clean-up:
Prevent further leakage or spillage if you can do so without risk. Evacuate area of all unnecessary personnel. Ventilate the area. Eliminate all ignition sources. Avoid generation of vapors. Contain and collect spillage with non-combustible absorbent material such as sodium bicarbonate, sodium carbonate, calcium carbonate, clean sand or non-acidic clay and then wet down (dampen) the mixture with water. DO NOT USE peat moss. Sweep or scoop up using non-sparking tools and place into suitable properly labeled containers for prompt disposal. The sweepings should be wetted down further with water. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits.

Protective equipment:
Appropriate personal protective equipment is set forth in Section 8.

7. HANDLING AND STORAGE

Handling

General information on handling:
Contact with materials to avoid or exposure to temperatures exceeding the SADT may result in a self-accelerating decomposition reaction with release of flammable vapors which may autoignite.
Do not taste or swallow.
Avoid contact with skin, eyes and clothing.
Keep away from heat, sparks and flames.
No smoking.
Use only with adequate ventilation.
Wash thoroughly after handling.
Prevent product contamination.
Keep container tightly closed and away from combustible materials.
Keep only in the original container.
Check that all equipment is properly grounded and installed to satisfy electrical classification requirements.
Container hazardous when empty.
RESIDUAL VAPORS MAY EXPLODE ON IGNITION.
DO NOT CUT, DRILL, GRIND, OR WELD ON OR NEAR THIS CONTAINER.
Do not reuse container as it may retain hazardous product residue.
Improper disposal or reuse of this container may be dangerous and/or illegal.
Emptied container retains vapor and product residue.

Storage

General information on storage conditions:
Keep in a dry, cool place. Keep away from direct sunlight. Keep container closed when not in use. Store in closed containers, in a secure area to prevent container damage and subsequent spillage. Outside or detached storage is preferred. Store in well ventilated area away from heat and sources of ignition such as flame, sparks and static electricity. Ensure that all storage and handling equipment is properly grounded and installed to satisfy electrical classification requirements. Store out of direct sunlight in a cool well-ventilated place. Store in original container. Store away from combustibles and materials to avoid. Refer also to National Fire Protection Association (NFPA) Code 400, Hazardous Materials Code. Static electricity may accumulate when transferring material. All metal and groundable storage containers, including but not limited to drums, cylinders, Returnable Intermodal Bulk Containers (RIBCs) and Class C Flexible Intermodal Bulk Containers (FIBCs) must be bonded and grounded during filling and emptying operations. Observe all federal, state and local regulations and National Fire Protection Association (NFPA) Codes which pertain to the specific local conditions of storage and use, including OSHA 29 CFR 1910.106 and NFPA 30, 70, 77, and 497.

Storage stability – Remarks:
Follow the recommended storage temperatures provided in this Section in order to maintain stability and oxygen content.

Storage incompatibility – General:
Store separate from:

Strong acids

Strong bases

Strong oxidizing agents

Reducing agents

Amines

Accelerators

Friedel - Crafts reaction catalyst

transition metal salts

metal ions

Brass

Copper

Iron

For all Organic Peroxides, compatible materials of contact are stainless steel 304 or 316 (preferred), high-density polyethylene (HDPE), polytetrafluoroethylene or glass linings.

Temperature tolerance – Do not store below:–
-4 °F (-20 °C)

Temperature tolerance – Do not store above:
100 °F (38 °C)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Guidelines:

Engineering controls:
Investigate engineering techniques to reduce exposures below airborne exposure limits or to otherwise reduce exposures. Provide ventilation if necessary to minimize exposures or to control exposure levels to below airborne exposure limits (if applicable see above).If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment.

Consult ACGIH ventilation manual or NFPA Standard 91 for design of exhaust systems.

Respiratory protection:
Where airborne exposure is likely or airborne exposure limits are exceeded (if applicable, see above), use NIOSH approved respiratory protection equipment appropriate to the material and/or its components. Full facepiece equipment is recommended and, if used, replaces need for face shield and/or chemical goggles. Consult respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH or the manufacturer. For emergency and other conditions where there may be a potential for significant exposure or where exposure limit may be significantly exceeded, use an approved full face positive-pressure, self-contained breathing apparatus or positive-pressure airline with auxiliary self-contained air supply. Respiratory protection programs must comply with 29 CFR § 1910.134.

Skin protection:
Wear appropriate chemical resistant protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove material for given application. Wear chemical goggles, a face shield, and chemical resistant clothing such as a rubber apron when splashing may occur. Rinse immediately if skin is contaminated. Remove contaminated clothing immediately and wash before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

Eye protection:
Where there is potential for eye contact, wear a face shield, chemical goggles, and have eye flushing equipment immediately available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Color:	yellow
Physical state:	liquid
Odor:	pungent
Odor threshold:	No data available
Flash point	109 °F (43 °C) (Setaflash closed cup)
Auto-ignition temperature:	No data available
Lower flammable limit (LFL):	No data available
Upper flammable limit (UFL):	No data available
pH:	No data available
Density:	0.90 g/cm3 (50 °F (10 °C))
Specific Gravity (Relative density):	0.90 (50 °F(10 °C))Water=1 (liquid)
Vapor pressure:	4.600 mmHg (75.0 °F (23.9 °C))
Vapor density:	No data available
Boiling point/boiling range:	Decomposes on heating. Rate of decomposition increases with rising temperature.
Melting point/range:	No data available
Freezing point:	< -40 °F (< -40 °C)
Evaporation rate:	No data available
Solubility in water:	insoluble
Viscosity, dynamic:	No data available
Oil/water partition coefficient:	No data available
Self-Accelerating	174 °F (79 °C) 7 pound container

Decomposition Temperature (SADT):

Thermal decomposition No data available

Active oxygen content: 8.96 - 9.20 %

Flammability: See GHS Classification in Section 2

10. STABILITY AND REACTIVITY

Stability:
This material is chemically unstable and should only be handled under specified conditions.

Hazardous reactions:
Hazardous polymerization does not occur.

Materials to avoid:
Strong acids
Strong bases
Strong oxidizing agents
Reducing agents
Amines
Accelerators
Friedel - Crafts reaction catalyst
transition metal salts
metal ions
Brass
Copper
Iron
For all Organic Peroxides, compatible materials of contact are stainless steel 304 or 316 (preferred), high-density polyethylene (HDPE), polytetrafluoroethylene or glass linings.

Conditions / hazards to avoid:
SADT - Self Accelerating Decomposition Temperature. Lowest temperature at which the tested package size will undergo a self-accelerating decomposition reaction. This reaction will generate flammable vapors which may autoignite. The length of time to generate a decomposition reaction, after the SADT has been reached or exceeded, is dependent upon how much the SADT has been exceeded and the length of time needed for the reaction exotherm (heat spike from increasing decomposition rate) to initiate a rapid decomposition reaction. Typically, SADT is inversely proportional to package size. Larger packages will have a lower SADT due to smaller ratio to heat transfer area to volume of product. See HANDLING AND STORAGE section of this SDS for specified conditions. See Hazardous Decomposition Products below.

Hazardous decomposition products:

Temperatures at or above SADT can result in the release of hazardous decomposition products which are flammable and may autoignite.
Thermal decomposition giving flammable and toxic products:
Carbon oxides
Hazardous organic compounds

11. TOXICOLOGICAL INFORMATION

Data on this material and/or its components are summarized below.

Data for LUPEROX® 7M75

Acute toxicity

Dermal:
Acute toxicity estimate > 5,000 mg/kg.

Inhalation:
4 h Acute toxicity estimate > 40 mg/l.

Data for Ethaneperoxoic acid, 1,1-dimethylethyl ester (107-71-1)

Acute toxicity

Oral:
May be harmful if swallowed. (rat) LD50 = 2.562 mg/kg. (75 %)

Skin Irritation:
Practically non-irritating. (rabbit) Irritation Index: 0.8/8.0. (24 h)

Eye Irritation:
Causes serious eye irritation. (rabbit)

Skin Sensitization:
May cause an allergic skin reaction. Guinea pig maximization test. (guinea pig) Skin allergy was observed. (50 %)

Repeated dose toxicity
Repeated oral administration to rat / affected organ(s): Digestive system / signs: Gastrointestinal disturbance, irritation, damage

Repeated inhalation administration to rat / No adverse effects reported.

Genotoxicity

Assessment in Vitro:
No genetic changes were observed in laboratory tests using: animal cells

Genotoxicity

Assessment in Vivo:
No genetic changes were observed in a laboratory test using: mice

Developmental toxicity

Reproductive/Developmental Effects Screening Assay. Inhalation (rat) / No birth defects were observed. (levels produced toxic effects in the mothers and offspring)

Reproductive effects
Reproductive/Developmental Effects Screening Assay. Oral (rat) / No toxicity to reproduction. / (toxic effects also observed in the parental animals at these doses)

Data for Naphtha (petroleum), hydrotreated heavy (64742-48-9)

Acute toxicity

Oral:
No deaths occurred. (rat) LD0 > 5,000 mg/kg.

Specific target organ toxicity - single exposure:
May cause drowsiness or dizziness. (central nervous system)

Skin Irritation:
Causes skin irritation. (rabbit)

Eye Irritation:
Causes mild eye irritation. (rabbit)

Skin Sensitization:
Not a sensitizer. Repeated skin exposure. (guinea pig) No skin allergy was observed (data for a similar material)

Repeated dose toxicity
Subchronic inhalation administration to rat / affected organ(s): kidney / signs: changes in organ weights, changes in organ structure or function, hyaline droplet nephropathy / (not considered relevant in humans)

Repeated oral administration to rat / affected organ(s): kidney / signs: changes in organ weights, changes in organ structure or function, hyaline droplet nephropathy / (not considered relevant in humans)

Genotoxicity

Assessment in Vitro:
No genetic changes were observed in laboratory tests using: bacteria, animal cells

Genotoxicity

Assessment in Vivo:
No genetic changes were observed in laboratory tests using: mice

Developmental toxicity

Exposure during pregnancy. Inhalation (rat) / No birth defects were observed.

Other information
The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

Aspiration hazard
May be fatal if swallowed and enters airways.

Human experience
Inhalation:
Cardio-vascular system: Irregular cardiac activity, rapid heart beat. (repeated or prolonged exposure) (effects associated with substance abuse) (data for similar materials)

Human experience
Skin contact:
Skin: No skin allergy was observed. (studied using human volunteers) Prolonged skin contact may defat the skin and produce dermatitis.

Data for Naphtha (petroleum), heavy alkylate (64741-65-7)

Acute toxicity

Oral:
Practically nontoxic. (rat) LD50 > 7,600 mg/kg.

Skin Irritation:
Causes mild skin irritation. (rabbit) Irritation Index: 2.4/8.0. (4 h)

Skin Sensitization:
Not a sensitizer. Guinea pig maximization test. (guinea pig) No skin allergy was observed

Repeated dose toxicity
Repeated inhalation administration to rat / affected organ(s): kidney / signs: damage, changes in organ structure or function, hyaline droplet nephropathy / (not considered relevant in humans)

Other information
The information presented is from representative materials in this chemical class. The results may vary depending on the test substance.

Aspiration hazard
May be fatal if swallowed and enters airways.

Human experience
Inhalation:
Cardio-vascular system: Irregular cardiac activity, rapid heart beat. (repeated or prolonged exposure) (effects associated with substance abuse) (data for similar materials)

Human experience
Skin contact:
Skin: Prolonged skin contact may defat the skin and produce dermatitis.

Data for Tert-Butyl hydroperoxide (75-91-2)

Acute toxicity

Oral:
Harmful if swallowed. (rat) LD50 = 406 mg/kg. (100 %)

Harmful if swallowed. (rat) LD50 = 810 mg/kg. (70 %) (as aqueous solution)

Skin Irritation:
Causes severe skin burns. (rabbit) (24 h) (70 %) (occluded exposure, aqueous solution)

Causes mild skin irritation. (guinea pig) (6 h) (5 %) (aqueous solution)

Eye Irritation:
Causes serious eye damage. (rabbit) (70 %) (aqueous solution)

Skin Sensitization:
May cause an allergic skin reaction. Guinea pig maximization test. (guinea pig) Skin allergy was observed. (Strong sensitizer)

Repeated dose toxicity
Repeated inhalation administration to rat / affected organ(s): nose / signs: changes in body weight, irritation / (vapor)

Repeated oral administration to rat / affected organ(s): stomach / signs: severe irritation

Genotoxicity

Assessment in Vitro:
Genetic changes were observed in laboratory tests using: bacteria, animal cells

Genotoxicity

Assessment in Vivo:
Both positive and negative responses for genetic changes were observed in laboratory tests using: rats

No genetic changes were observed in a laboratory test using: mice

Developmental toxicity

Exposure during pregnancy. oral (rat) / No birth defects were observed. (at doses that produce effects in mothers)

Reproductive effects
Reproductive/Developmental Effects Screening Assay. oral (rat) / No toxicity to reproduction.

12. ECOLOGICAL INFORMATION

Chemical Fate and Pathway
Data on this material and/or its components are summarized below.

Data for Ethaneperoxoic acid, 1,1-dimethylethyl ester (107-71-1)

Biodegradation:
Not readily biodegradable. (28 d) biodegradation 4 %

Octanol Water Partition Coefficient:
log Pow = 1.6 (calculated)

Data for Naphtha (petroleum), hydrotreated heavy (64742-48-9)

Biodegradation:
Readily biodegradable. (28 d) biodegradation 77 %

Octanol Water Partition Coefficient:
log Pow = 2.1 - 6.5 (calculated)

Data for Naphtha (petroleum), heavy alkylate (64741-65-7)

Biodegradation:
Not readily biodegradable. (28 d) biodegradation 8 - 22 %

Potential to bioaccumulate

Octanol Water Partition Coefficient:
log Pow = 2.8 - 6 (calculated) (data for a similar material)

Ecotoxicology
Data on this material and/or its components are summarized below.

Data for Ethaneperoxoic acid, 1,1-dimethylethyl ester (107-71-1)

Algae:
Toxic. Pseudokirchneriella subcapitata (green algae) 72 h ErC50 = 3.2 mg/l

Chronic toxicity to aquatic plants:
Pseudokirchneriella subcapitata (green algae) 72 h NOEC r = 0.993 mg/l

Data for Naphtha (petroleum), hydrotreated heavy (64742-48-9)

Aquatic toxicity data:
Toxic. Pimephales promelas (fathead minnow) 96 h LL50 = 8.2 mg/l

Aquatic invertebrates:
Toxic. Daphnia magna (Water flea) 48 h EL50 = 4.5 mg/l (nominal concentrations reported, Water accommodated fraction was tested.)

Algae:
Toxic. Pseudokirchneriella subcapitata (green algae) 72 h EL50 = 3.1 mg/l (nominal concentrations reported, Water accommodated fraction was tested.)

Chronic toxicity to aquatic invertebrates:
Daphnia magna (Water flea) 21 d NOEC (reproduction) = 2.6 mg/l (Water accommodated fraction was tested.) (Nominal concentration)

Data for Naphtha (petroleum), heavy alkylate (64741-65-7)

Aquatic toxicity data:
No effect up to the limit of solubility. Fish 96 h LL50 > 1,000 mg/l
No effect up to the limit of solubility. Carassius auratus (goldfish) 24 h

Aquatic invertebrates:
No effect up to the limit of solubility. Daphnia magna (Water flea) 48 h EL50 > 1,000 mg/l

Algae:
No effect up to the limit of solubility. Algae 72 h EL50 > 1,000 mg/l

13. DISPOSAL CONSIDERATIONS

Waste disposal:
Dilution followed by incineration is the preferred method. Dilution ratio of 10:1 in a clean, compatible, combustible solvent (i.e., Fuel Oil #2, mineral oil) will reduce reactivity hazard during incineration and transportation. Dispose of in accordance with federal, state and local regulations. Consult a regulatory specialist to determine appropriate state or local reporting requirements, for assistance in waste characterization and/or hazardous waste disposal and other requirements listed in pertinent environmental permits. Note: Chemical additions to, processing of, or otherwise altering this material may make this waste management information incomplete, inaccurate, or otherwise inappropriate. Furthermore, state and local waste disposal requirements may be more restrictive or otherwise different from federal laws and regulations.

Take appropriate measures to prevent release to the environment.

14. TRANSPORT INFORMATION

US Department of Transportation (DOT)

UN Number	:	3101
Proper shipping name	:	Organic peroxide type B, liquid
Technical name	:	(Tert-Butyl peroxyacetate, >52-77%)
Class	:	5.2
Subsidiary hazard class	:	(1)
Packaging group	:	II
Marine pollutant	:	yes

International Maritime Dangerous Goods Code (IMDG)

UN Number	:	3101
Proper shipping name	:	ORGANIC PEROXIDE TYPE B, LIQUID
Technical name	:	(Tert-BUTYL PEROXYACETATE, >52-77%)
Class	:	5.2
Subsidiary hazard class	:	(1)
Marine pollutant	:	yes
Flash point	:	109 °F (43 °C) Setaflash closed cup

15. REGULATORY INFORMATION

Chemical Inventory Status

EU. EINECS	EINECS	Conforms to
United States TSCA Inventory	TSCA	The components of this product are all on the TSCA Inventory.
Canadian Domestic Substances List (DSL)	DSL	All components of this product are on the Canadian DSL
China. Inventory of Existing Chemical Substances in China (IECSC)	IECSC (CN)	Conforms to

Japan. ENCS - Existing and New Chemical Substances Inventory	ENCS (JP)	Does not conform
Japan. ISHL - Inventory of Chemical Substances	ISHL (JP)	Does not conform
Korea. Korean Existing Chemicals Inventory (KECI)	KECI (KR)	Conforms to
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	PICCS (PH)	Conforms to
Australia Inventory of Chemical Substances (AICS)	AICS	Conforms to

United States – Federal Regulations

SARA Title III – Section 302 Extremely Hazardous Chemicals:

The components in this product are either not SARA Section 302 regulated or regulated but present in negligible concentrations.

SARA Title III - Section 311/312 Hazard Categories:
Acute Health Hazard, Reactivity Hazard, Fire Hazard

SARA Title III – Section 313 Toxic Chemicals:
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) - Reportable Quantity (RQ):

Chemical Name	CAS-No.	Reportable quantity
Hydroperoxide, 1,1-dimethylethyl	75-91-2	100 lbs
Peroxide, bis(1,1-dimethylethyl)	110-05-4	100 lbs
Ethaneperoxoic acid, 1,1-dimethylethyl ester	107-71-1	100 lbs
Acetic acid, anhydride	108-24-7	5000 lbs

United States – State Regulations

New Jersey Right to Know

Chemical Name	CAS-No.
Ethaneperoxoic acid, 1,1-dimethylethyl ester	107-71-1

New Jersey Right to Know – Special Health Hazard Substance(s)

Chemical Name	CAS-No.
Ethaneperoxoic acid, 1,1-dimethylethyl ester	107-71-1

Pennsylvania Right to Know

Chemical Name	CAS-No.
Ethaneperoxoic acid, 1,1-dimethylethyl ester	107-71-1
Naphtha (petroleum), hydrotreated heavy	64742-48-9
Naphtha (petroleum), heavy alkylate	64741-65-7

California Prop. 65
This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive defects.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H224 Extremely flammable liquid and vapour.
H226 Flammable liquid and vapour.
H241 Heating may cause a fire or explosion.
H242 Heating may cause a fire.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H336 May cause drowsiness or dizziness.
H341 Suspected of causing genetic defects.
H411 Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

HMIS ratings:

Health:	2 (MODERATE HAZARD)
Fire:	2 (MODERATE HAZARD)
Physical Hazard:	4 (SEVERE HAZARD)

Miscellaneous:

Other information:	Refer to National Fire Protection Association (NFPA) Codes 30, 70, 77, and 497 and OSHA 29 CFR 1910.106, for safe handling.

Latest Revision(s):

Reference number:	000000034035
Date of Revision:	10/18/2015
Date Printed:	11/29/2016

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